AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph no. [0024] with the following amended paragraph:

[0024]

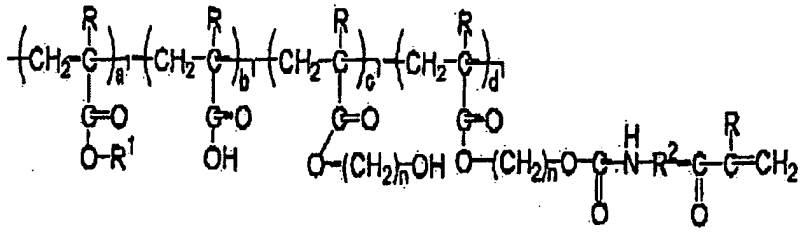
<8> The method for producing the color filter for an image sensor according to at least one of <1> to <7>, wherein the alkali soluble resin contains a molecular chain that is present on [[the]] a side chain and the molecular chain has at least one member selected from an acryloyl group, a methacryloyl group, and an allyl group.

Please replace the paragraph no. [0025] with the following amended paragraph:

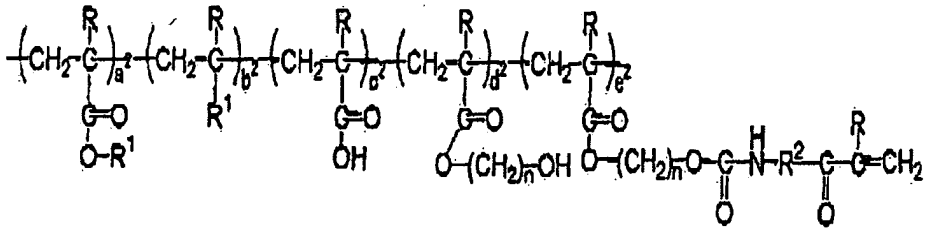
[0025]

<9> The method for producing a color filter for an image sensor according to at least one of <1> to <6>, wherein the alkali soluble resin is a resin having at least one of the (meth)acryloyl groups represented by the following formula (1-1) to formula ~~(1 to 3)~~(1-3):

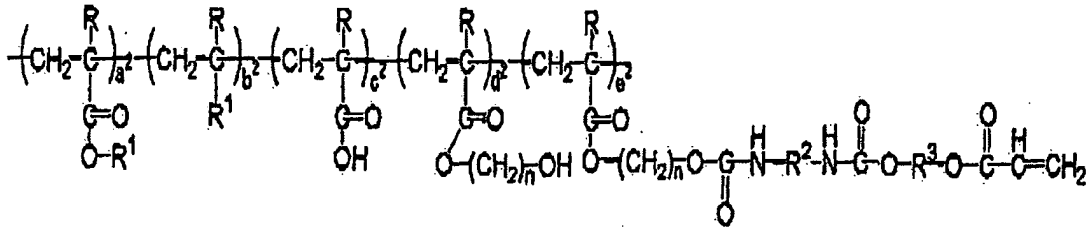
Formula (1-1)



Formula (1-2)



Formula (1-3)



wherein R represents a hydrogen atom or a methyl group, R^1 represents an alkyl group having 1 to 18 carbon atoms, a phenyl group having an alkyl group having 1 to 4 carbon atoms or an alkoxy group having 1 to 4 carbon atoms, an aryl group having 6 to 12 carbon atoms, or an aralkyl group having 7 to 12 carbon atoms, R^2 represents an alkylene group having 1 to 18 carbon atoms, a phenylcarbamate ester group having an alkyl group having 1 to 4 carbon atoms, or a carbamate ester group having a cycloaliphatic group having 3 to 18 carbon atoms, R^3 represents a linear or branched alkylene group having 2 to 16 carbon atoms; a^1 to d^1 in formula (1-1), a^2 to e^2 in formula (1-2), and a^2 to e^2 in formula (1-3) each represent a molar ratio (mol%) of repetitive units contained; b^1 represents from 3 to 50, c^1 represents from 3 to 40, d^1 represents

from 2 to 60, and they satisfy: $a^1+b^1+c^1+d^1=100$ in formula (1-1), and b^2 represents from 9 to 85, c^2 represents from 3 to 50, d^2 represents from 3 to 40, e^2 represents from 2 to 60, and they satisfy: $a^2+b^2+c^2+d^2+e^2=100$ in formulae (1-2) and (1-3), and n represents from 2 to 16.

Please replace the paragraph no. [0038] with the following amended paragraph:

[0038]

In a case where post cure is conducted under heating, generally, this is effective for the promotion of the post cure but, on the other hand, the pattern profile tends to be deteriorated by heat. Since the heating in the invention is conducted within the low temperature region as described above, the pattern profile is not deteriorated even in a case where it is constituted finely for an image sensor using the dye. Further, in a case where the molecule of the alkali soluble resin contained in the photo-curable composition contains a molecular chain having a polymerizable double bond (molecular chain having preferably at least one of acryloyl group, methacryloyl group and ~~aryl~~ allyl group), the post cure can be promoted effectively and this is useful in that the Ultraviolet radiation irradiation time can be shortened or the heat treatment to the coating film after development can be conducted at lower temperature.